



30RAP010-150, 38APS025-065, 38APD025-130 Ground-Fault Interrupter Convenience Outlet Accessory

Installation Instructions

Part No. 30RA-900---058, 30RA-900---059

SAFETY CONSIDERATIONS

Installation of this accessory can be hazardous due to system pressures, electrical components, and equipment location (such as a roof or elevated structure).

Only trained, qualified installers and service mechanics should install and service this equipment.

When installing this accessory, observe precautions in the literature, labels attached to the equipment, and other safety precautions that apply.

- Follow all safety codes.
- Wear safety glasses and work gloves.
- Use care when handling and installing this accessory.

WARNING

Electrical shock can cause personal injury and death. Shut off all power to this equipment during installation. There may be more than one disconnect switch. Tag all disconnect locations to alert others not to restore power until work is completed.

GENERAL

The ground-fault circuit interrupter convenience outlet (GFI-CO) accessory provides two auxiliary 115 v, 60 Hz outlets for portable computers, lights, small hand tools and other devices. The current output is limited to 4 amps. See Table 1 for specific package applications.

Table 1 — Accessory Package Usage

UNIT	PACKAGE REQUIRED
30RAP010-150, 38APS025-065, 38APD025-130 (208/230, 230, 460 V)	30RA-900---058
30RAP010-150, 38APS025-065, 38APD025-130 (575 V)	30RA-900---059

Check each item for shipping damage. If any damage is found, file a claim with the shipping agent immediately. If any item is missing or if any part does not assemble properly, notify your Carrier representative. Table 2 lists the contents of the accessory kits.

Table 2 — Package Contents

ACCESSORY PART NO.	DESCRIPTION	QTY
30RA-900---058	Transformer/Convenience Outlet Assembly Assembly, 38APFSCLG--600	1
	Screws, 1/4-in. 1/2-in. long	4
	230v: Primary fuse FNQ-R-3 1/2 (FU5 and FU6)	2
	460v: Primary fuse FNQ-R-2 1/2 (FU5 and FU6)	2
	Secondary fuse FNM-6 (FU4)	1
	Wire Ties	4
30RA-900---059	Transformer/Convenience Outlet Assembly Assembly, 38APFSCLG--100	1
	Screws, 1/4-in. 1/2-in. long	4
	Primary fuse FNQ-R-2 1/2 (FU5 and FU6)	2
	Secondary fuse FNM-6 (FU4)	1
	Wire Ties	4

INSTALLATION

WARNING

Before beginning installation of this equipment, be sure all power to the unit is disconnected, and that tags are properly placed to alert others. Electrical shock can cause personal injury and death.

Sizes 30RAP010-030, 38APS, APD025-030

1. Open and tag all electrical disconnects.
2. Open the unit control box door.
3. Locate the bag of screws and fuses (30RA-900---058 only) supplied with the accessory.
4. Remove transformer box cover. Save screws.
5. Verify correct primary connections are made.

NOTE: The 30RA-900---059 kits are shipped with correct wiring for 575 v. The 30RA-900---058 kits are shipped with correct wiring for 460 v. Operation at 208/230 v WILL require a wiring change and change of primary fuses to FNQ-R-3 1/2. See Table 3. Rejection type fuses are installed one way only. Make sure they are secure in the fuse holder clips.

Table 3 — Primary Connections

VOLTAGE	PRIMARY CONNECTIONS
575 V	H1, H2
460 V	H1, H4
230 V	H2, H4
208 V	H3, H4

6. Install the GFI-CO accessory box in the location shown in Fig. 1. Use the included sheet metal screws to fasten box to the basepan.
7. Using the screws removed in Step 4, reinstall the cover on the transformer box.

8. Route the power wire up and into the control box as shown in Fig. 2. Wire ties are supplied with the kit to secure the power wire.

NOTE: For 30RAP010-030 units, more power wire is supplied than is needed. Excess wire length can be cut to length or bundled together and secured with wire ties.

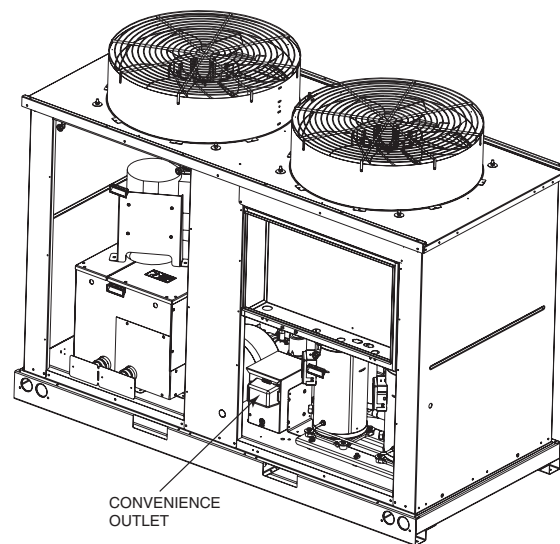


Fig. 1 — Accessory Convenience Outlet Installation Location — 30RAP010-030 (Shown), 38APS,APD025-030 Units

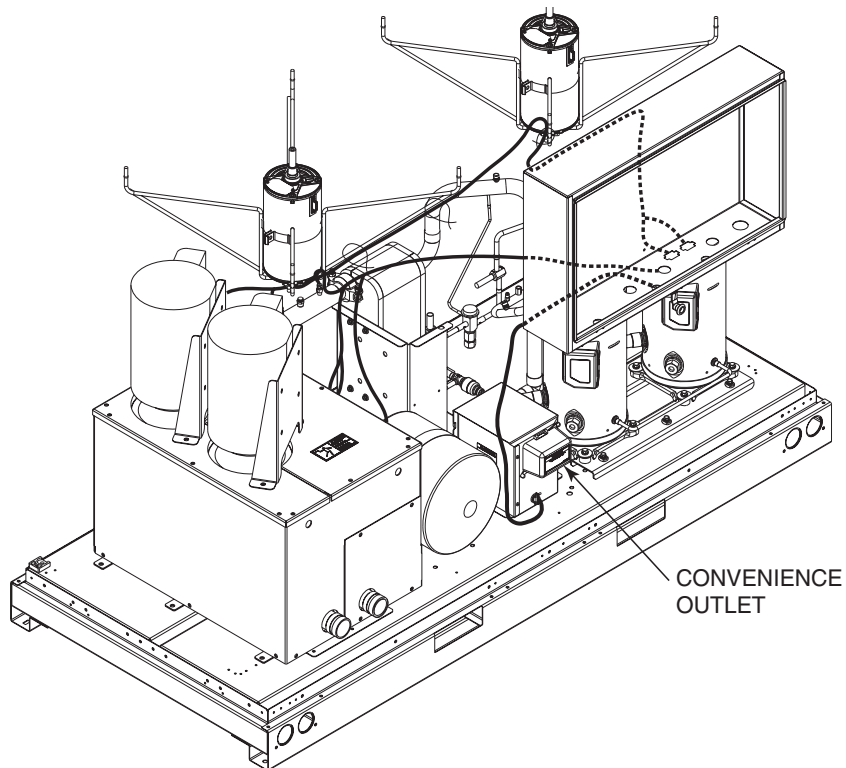


Fig. 2 — Accessory Convenience Outlet Wire Routing — 30RAP010-030 (Shown), 38APS,APD025-030 Units

9. In the control box, attach the black wire labeled 1 to the 11 connection on the A1 compressor contactor. Attach the black wire labeled 2 to the 12 connection. Attach the green ground wire to the ground terminal in the control box. See Fig. 3.
10. Ensure that all electrical connections are tight and restore power to the unit.
11. Test the GFI-CO by pressing its “Test” button and checking for power at the outlet. If the accessory is incorrectly wired, the GFI-CO may not trip and power may be present at the outlet. If power is present, disconnect all power to the unit, correct the accessory wiring by reversing the power and neutral wires from the transformer to the

outlet, reconnect the unit power and retest the outlet. See Fig. 4.

12. When the GFI-CO trips and no power is present at the outlet, restore the circuit by pressing the “Reset” button on the GFI-CO.
13. Remove tags from disconnects and close the control box door.

NOTE: After the GFI-CO is installed, periodically test the ground fault feature as described in preceding Steps 11 and 12.

NOTE: A knockout with protective bushing is supplied in the center post in order to run a power cord to the outside of the unit once the GFI-CO accessory is installed. When not in use, a plug button is supplied to plug the hole.

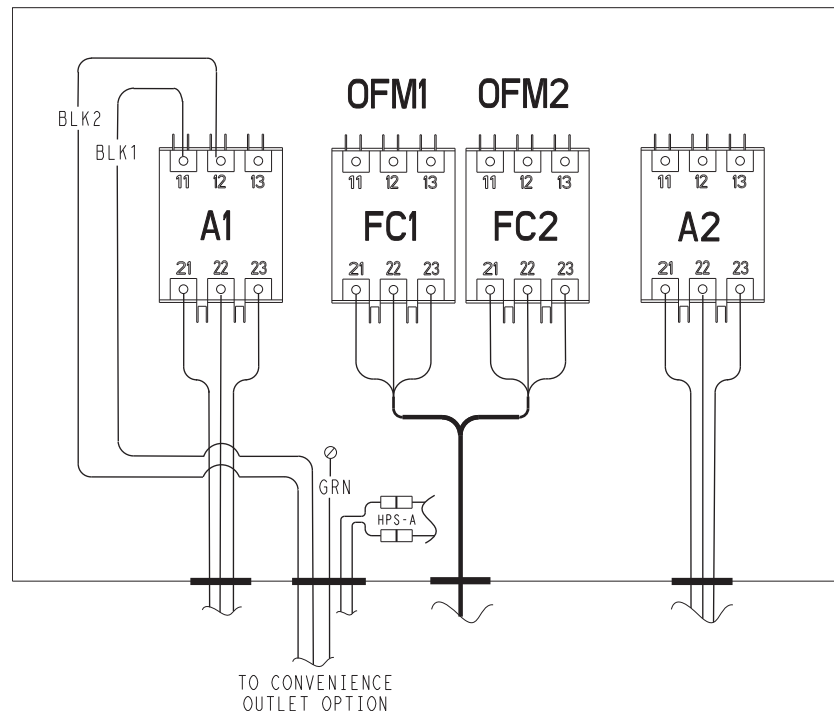


Fig. 3 — Accessory Convenience Outlet Control Box Wiring — 30RAP010-030 (Shown), 38APS,APD025-030 Units

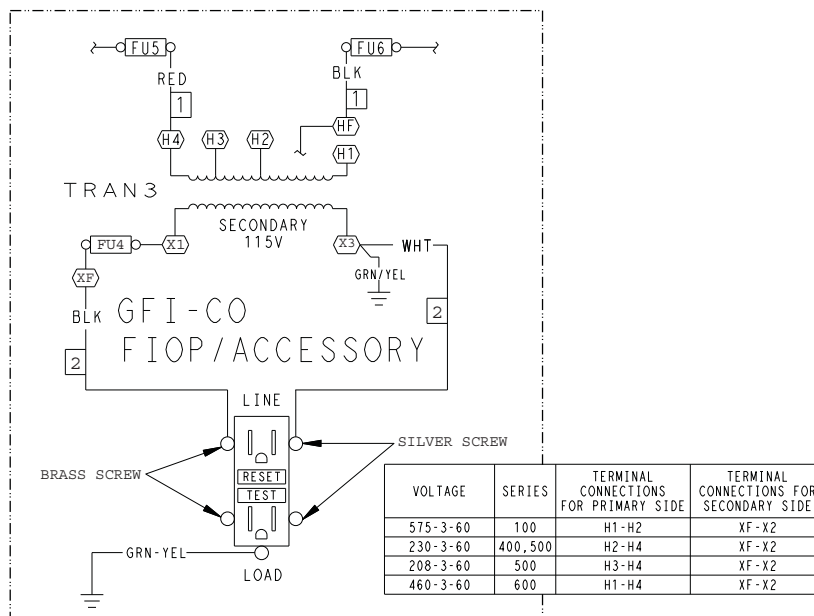


Fig. 4 — Accessory Convenience Outlet Wiring

**Sizes 30RAP035-060, 38APS040,050,
38APD040-060**

1. Open and tag all electrical disconnects.
2. Open the unit right control box door and remove inner cover. Remove lower right access panel and rear unit access panel.
3. Locate the bag of screws and fuses (30RA-900---058 only) supplied with the accessory.
4. Remove transformer box cover. Save screws.
5. Verify correct primary connections are made.

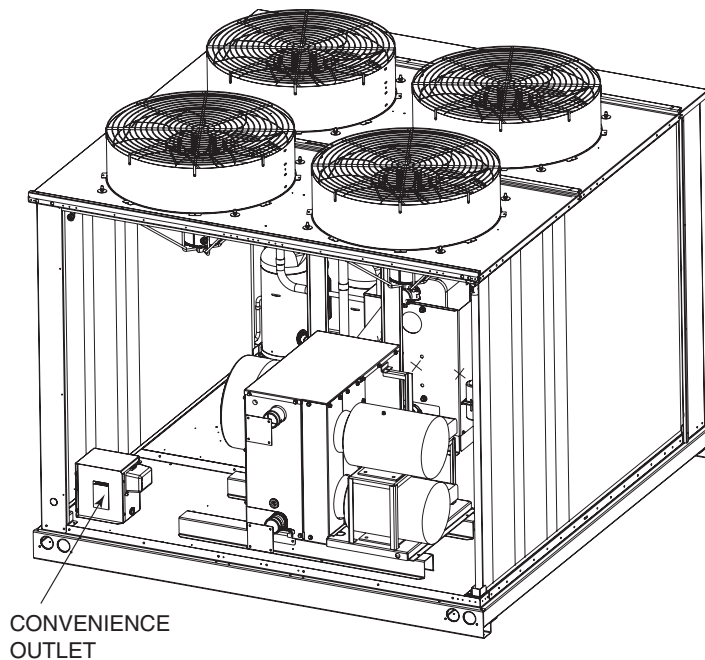
NOTE: The 30RA-900---059 kits are shipped with correct wiring for 575 v. The 30RA-900---058 kits are shipped with correct wiring for 460 v. Operation at 208/230v WILL require a wiring change and change of primary fuses to FNQ-R-3¹/₂. See Table 3. Rejection type fuses are installed one way only. Make sure they are secure in the fuse holder clips.

6. Install the GFI-CO accessory box in the location shown in Fig. 5. Use the included sheet metal screws to fasten box to the basepan.
7. Using the screws removed in Step 4, reinstall the cover on the transformer box.
8. Route the power wire up to the fan mounts and over and into the bottom of the right side of the control box as shown in Fig. 6. Wire ties are supplied with the kit to secure the power wire.

9. In the control box, attach the black wire labeled 1 to the 11 connection on the B1 compressor contactor. Attach the black wire labeled 2 to the 12 connection. Attach the green ground wire to the ground terminal in the control box. See Fig. 7.
10. Ensure that all electrical connections are tight and restore power to the unit.
11. Test the GFI-CO by pressing its “Test” button and checking for power at the outlet. If the accessory is incorrectly wired, the GFI-CO may not trip and power may be present at the outlet. If power is present, disconnect all power to the unit, correct the accessory wiring by reversing the power and neutral wires from the transformer to the outlet, reconnect the unit power, and retest the outlet. See Fig. 4.
12. When the GFI-CO trips and no power is present at the outlet, restore the circuit by pressing the “Reset” button on the GFI-CO.
13. Remove tags from disconnects and close the control box door.

NOTE: After the GFI-CO is installed, periodically test the ground fault feature as described in preceding Steps 11 and 12.

NOTE: A knockout with protective bushing is supplied in the center post in order to run a power cord to the outside of the unit once the GFI-CO accessory is installed. When not in use, a plug button is supplied to plug the hole.



**Fig. 5 — Accessory Convenience Outlet Installation Location — 30RAP035-060 (Shown),
38APS040,050, 38APD040-060 Units**

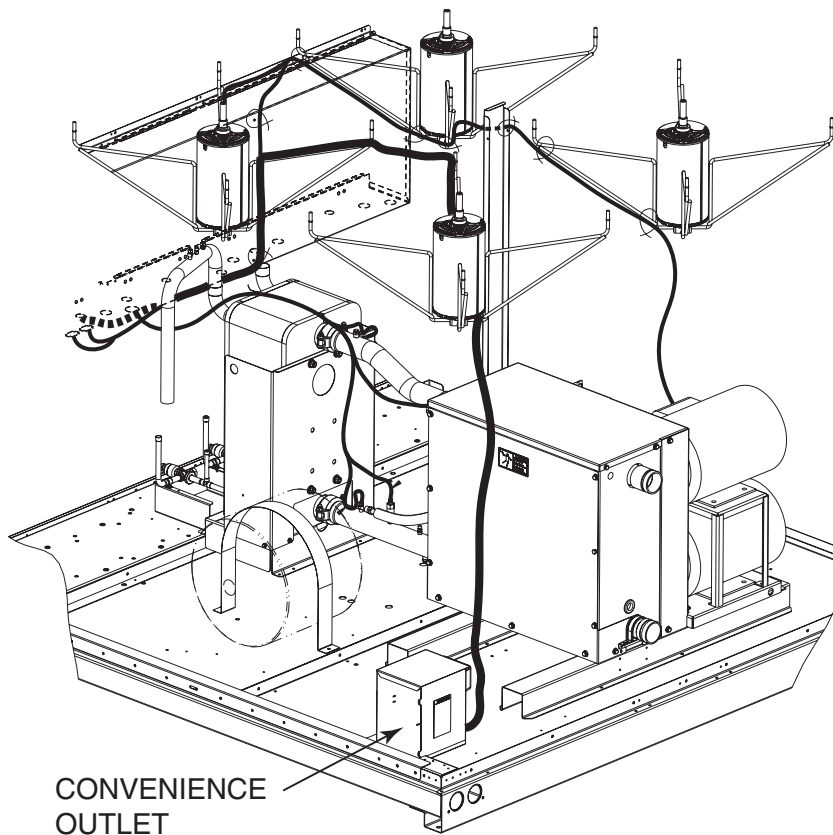


Fig. 6 — Accessory Convenience Outlet Wire Routing — 30RAP035-060 (Shown), 38APS040,050, 38APD040-060 Units

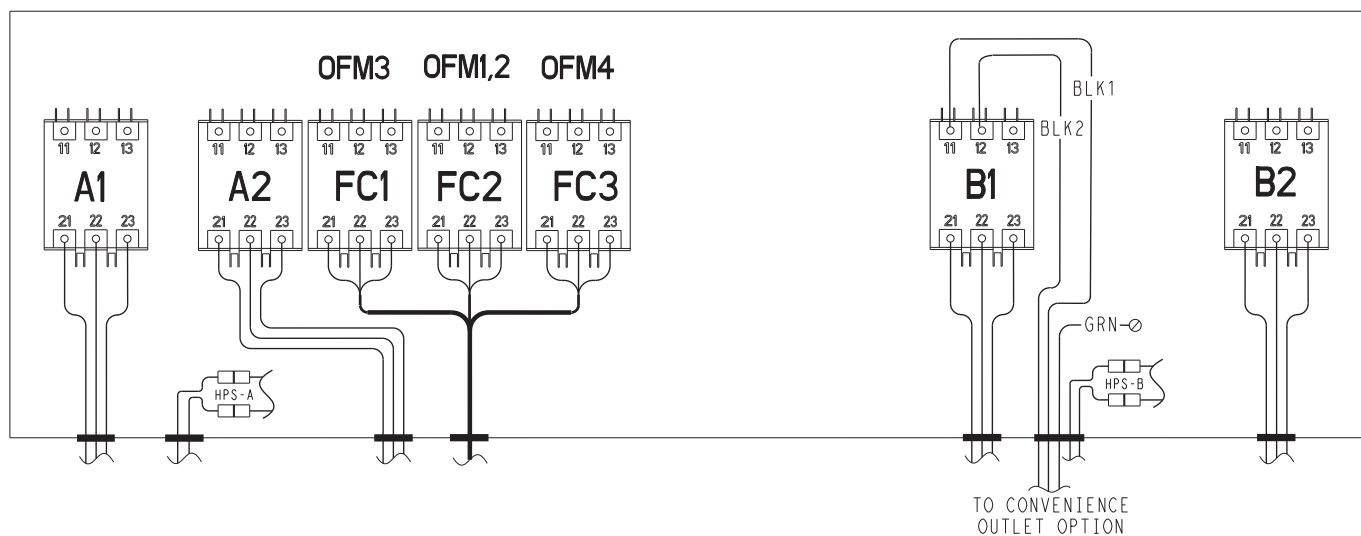


Fig. 7 — Accessory Convenience Outlet Control Box Wiring — 30RAP035-060, 38APS040,050, 38APD040-060 Units

**Sizes 30RAP070-150, 38APS065,
38APD070-130**

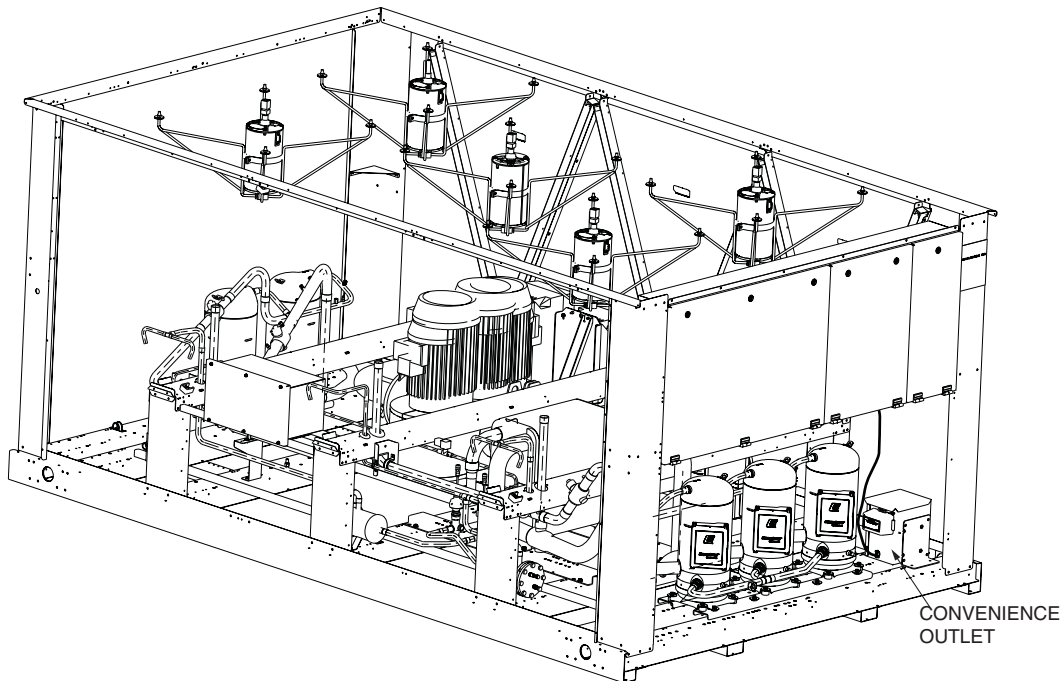
1. Open and tag all electrical disconnects.
2. Open the unit middle control box door and remove inner cover.
3. Locate the bag of screws and fuses (30RA-900---058 only) supplied with the accessory.
4. Remove transformer box cover. Save screws.
5. Verify correct primary connections are made.

NOTE: The 30RA-900---059 kits are shipped with correct wiring for 575 v. The 30RA-900---058 kits are shipped with correct wiring for 460 v. Operation at 208/230v WILL require a wiring change and change of primary fuses to FNQ-R-3¹/₂. See Table 3. Rejection type fuses are installed one way only. Make sure they are secure in the fuse holder clips.

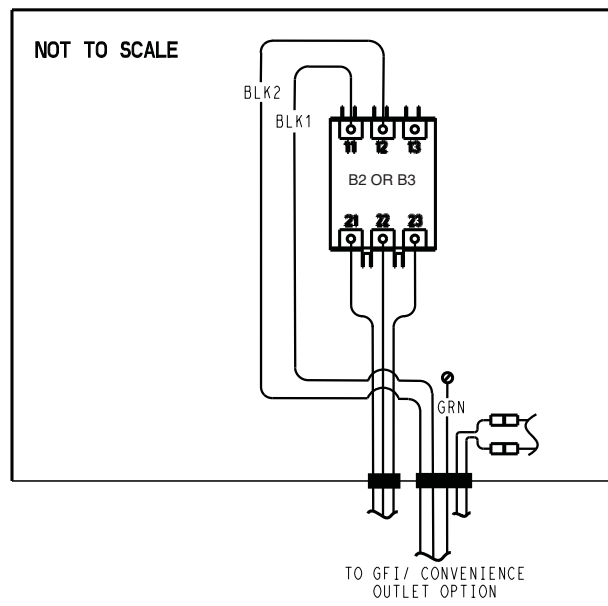
6. Install the GFI-CO accessory box in the location shown in Fig. 8. Use the included sheet metal screws to fasten box to the base rail.
7. Using the screws removed in Step 4, reinstall the cover on the transformer box.
8. Route the power wire up and into the bottom of the right side of the control box as shown in Fig. 7. Wire ties are supplied with the kit to secure the power wire.

9. In the control box, attach the black wire labeled 1 to the 11 connection on the B2/B3 compressor contactor. Attach the black wire labeled 2 to the 12 connection. Attach the green ground wire to the ground terminal in the control box. See Fig. 9.
10. Ensure that all electrical connections are tight and restore power to the unit.
11. Test the GFI-CO by pressing its “Test” button and checking for power at the outlet. If the accessory is incorrectly wired, the GFI-CO may not trip and power may be present at the outlet. If power is present, disconnect all power to the unit, correct the accessory wiring by reversing the power and neutral wires from the transformer to the outlet, reconnect the unit power, and retest the outlet. See Fig. 4.
12. When the GFI-CO trips and no power is present at the outlet, restore the circuit by pressing the “Reset” button on the GFI-CO.
13. Remove tags from disconnects and close the control box door.

NOTE: After the GFI-CO is installed, periodically test the ground fault feature as described in preceding Steps 11 and 12.



**Fig. 8 — Accessory Convenience Outlet Installation Location/Wire Routing —
30RAP070-150 (Shown), 38APS065, 38APD070-130 Units**



**Fig. 9 — Accessory Convenience Outlet Control Box Wiring —
30RAP070-150, 38APS065, 38APD070-130 Units**

